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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

R. Saraf

Serial No.: 09/870,986

Group Art Unit: 1634

Filed: June 1, 2001

Examiner: Chakrabarti

For: BIO-CHIP TO SEQUENCE UNTAGGED DNA

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Under the provisions of 37 C.F.R. §1.97 through §1.99 and pursuant to applicant's duty of disclosure under 37 C.F.R. §1.56, applicant respectfully brings the following documents, listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner.

In compliance with the concise explanation requirement under 37 CFR §1.98(a)(3), the relevance of the related document is discussed on page 1 of the subject application.

This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicant is aware.

It is respectfully requested that the listed references be considered by the

12/20/2002 NMOHAMM1 00000086 09870986

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180.00 OP

Examiner and formally made of record in this application.

A check for \$180.00 is submitted herewith. Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 50-2041.

Respectfully submitted,



Ruth Tyler-Cross  
Registration No.: 45,922

703-787-9400



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PATENT TRADEMARK OFFICE

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 01640259AA	SERIAL NO. 09/870,986
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT: R. Saraf	
	FILING DATE: June 1, 2001	GROUP: 1634

(Use several sheets if necessary)

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**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPRO.)
	6,060,237					
	5,955,377					
	5,837,196					
	5,711,915					
	5,707,799					
	5,629,214					
	5,552,272					
	5,194,393					
	4,820,649					

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

	Absorption of Avidin on Microfabricated Surfaces for Protein Biochip Applications, BIOTECHNOLOGY AND BIOENGINEERING, VOL., 73, NO. 4 (May 20, 2001)
	Genetic Engineering of a Single-Chain Antibody Fragment for Surface Immobilization in an Optical Biosensor, BIOSENSORS & BIOELECTRONICS, VOL. 13, NO. 3-4 (March 1, 1998)
	High-Throughput Assays on the chip based on metal Nano-Cluster Resonance, JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, VOL. 24 No. 5-6 (March 2001)
	Immobilization of Nucleic Acids at Solid Surfaces: Effect of Oligonucleotide Length on Layer Assembly, BIOPHYSICAL JOURNAL, VOL. 79, NO. 2 (August 2000)
	A Steptavidin Surface on Planar Glass Substrates for the Detection of Biomolecular Interaction, ANALYTICAL BIOCHEMISTRY, VOL. 282, NO. 2 (July 1, 2002)
	Considerations for the Quantitative Transduction of Hybridization of Immobilized DNA, ANALYTICA CHIMICA ACTA, VOL. 400 NO. 1-3, (November 22, 1999)
	Direct Bioelectrochemical Monitoring of Choline Oxidase Kinetic Behavior in Langmuir-Blodgett Nanostructure, BIOELECTROCHEMISTRY AND BIOENERGETICS, VOL. 46, NO. 1 (August 1998)
	Immobilization of Ultra-Thin Layer of Monoclonal Antibody on Glass Surface, JOURNAL OF CHROMATOGRAPHY, VOL. 566, NO. 2 (May 31, 1991)
	Detection of Conformation Changes in an Immobilized Protein Using Surface Plasmon Resonance, ANALYTICAL CHEMISTRY, VOL. 70, NO. 10 (May 15, 1998)
	Monitoring of the Refolding Process for Immobilized Firefly Luciferase with a Biosensor Based on Surface Plasmon Resonance, JOURNAL OF BIOCHEMISTRY VOL. 129, NO. 1 (January 2001)
	Immunosensors Technology and Opportunities in Laboratory Medicine, CLINICAL CHEMISTRY, VOL. 42, NO. 2 (1996)
	Optical Biosensors for Real-Time Measurement of Analytes in Blood Plasma, BIOSENSORS AND BIOELECTRONICS, VOL 17 NO. 8 (August 2002)

Chemiluminescent Immunoenzyme Biosensor with a thin-layer Flow-through Cell: Application for Study of a Real-Time Bimolecular Antigen-Antibody Interaction, BIOSENSORS & BIOELECTRONICS, VOL. 11, NO. 9 (1996)

EXAMINER

DATE CONSIDERED

DEC 19 2002

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant